## Measurement Specifications

**Temperature Range**
(All Sensor Heads):

0 to 1000°F (-18 to 538°C)

**Spectral Response:**
Standard & Laser: 8 to 14 μm

**Optical Resolution:**
Laser: 50:1, close focus 45:1
Standard: 35:1, close focus 30:1

**System Accuracy:**
±1% or ±2°F (±1°C), whichever is greater

**System Repeatability:**
±0.5% or ±2°F (±1°C), whichever is greater

**Response Time** –
(95% of final reading):
Standard & Laser: 500 ms

**Emissivity:**
Digitally adjustable, 0.1 to 1.09
by increments of 0.01 steps

**Signal Processing:**
Peak and valley hold (up to 998 sec,
999 = infinite hold with external reset),
Variable averaging filter (up to 60 sec),
T-ambient: fixed background ambient

temperature compensation

## Electrical Specifications

**Power Supply:**
110 /220 VAC, ±20%, 50-60 Hz

**Inputs:**
User configurable inputs for Laser or Standard
sensing heads, any 5-0 Vdc or
4-20 mA sensor, or thermocouple
(J, K, E, N, R, S, T)
External reset input to reset peak/valley hold

**Outputs-Signal:**
4-digit, LED display, °F/°C selectable.
User configurable 4-20 mA current or
thermocouple output (J, K, E, N, R, S, T)

**Alarm Output:**
Two adjustable setpoints with deadbands
controlling ±5 Vdc alarm outputs or optional
3A mechanical relays

**DC Supply Output:**
24 Vdc / 50 mA excitation voltage for
powering external sensors

## Sensor Specifications

**Environmental Rating:**
Monitor Front Panel: NEMA 12 (IP54)
Laser/Standard Head: NEMA 12 (IP65)

**Ambient Temperature:**
Monitor
32° to 120°F (0 to 50°C)
Laser/Standard Head
32° to 150°F (0 to 65°C)

With water cooling
32° to 350°F (0 to 177°C)
With air cooling
32° to 250°F (0 to 120°C)

**Relative Humidity:**
10 to 95%, non-condensing

**Monitor Dimensions:**
1/8 DIN, 96 × 48 × 120 mm
1.9" × 3.78" × 4.75"

**Cutout Dimensions:**
1.75" × 3.63" (92 × 44 mm)

**Weight:**
Monitor: 320g (0.7 lb.)